

10/584320

IAP11 Rec'd PCT/PTO 26 JUN 2006

THE FOLLOWING IS THE ENGLISH TRANSLATION OF THE
AMENDMENTS TO THE CLAIMS OF THE INTERNATIONAL
APPLICATION UNDER PCT ARTICLE 19:

AMENDED SHEETS (Pages 64-67).

CLAIMS

1. (Amended) A thermoplastic elastomer composition comprising:

5 40 to 90 parts by mass of an ethylene/ α -olefin copolymeric rubber (A1), and

1 to 60 parts by mass of a thermoplastic α -olefin resin (B) comprising a α -olefinic crystalline thermoplastic resin (B1) and/or a α -olefinic amorphous
10 thermoplastic resin (B2),

wherein, with respect to 100 parts by mass of a mixture of (A1) and (B), are incorporated in the mixture:

0.1 to 10 parts by mass of an unmodified organopolysiloxane (C) having a viscosity of less than
15 100,000 cSt at 25°C prescribed by JIS K2283,

0.1 to 10 parts by mass of a viny-terminated organopolysiloxane (D), and

0 to 400 parts by mass of a mineral oil softener (E1)

20 and not containing a hydrosilylation catalyst.

2. A thermoplastic elastomer composition according to Claim 1, wherein at least the ethylene/ α -olefin copolymeric rubber (A1) and the thermoplastic α -olefin
25 resin (B) are subjected to a dynamic heat treatment under the presence of a crosslinking agent.

3. A thermoplastic elastomer composition according to Claim 1 or 2, wherein the ethylene/ α -olefin copolymeric rubber (A1) has a limiting viscosity $[\eta]$ of 3.5 to 6.8 dl/g when it is measured at 135°C in a decalin solvent.

5

4. (Amended) A thermoplastic elastomer composition comprising:

40 to 99 parts by mass of an extended rubber (X) comprising 20 to 80% by mass of an ethylene/ α -olefin copolymeric rubber (A2) and 20 to 80% by mass of a mineral oil softener (E2), where (A2) + (E2) = 100% by mass, and

1 to 60 parts by mass of a thermoplastic α -olefin resin (B) comprising a α -olefinic crystalline thermoplastic resin (B1) and/or a α -olefinic amorphous thermoplastic resin (B2),

wherein, with respect to 100 parts by mass of a mixture of (X) and (B), are incorporated in the mixture:

0.1 to 10 parts by mass of an unmodified organopolysiloxane (C) having a viscosity of less than 100,000 cSt at 25°C prescribed by JIS K2283,

0.1 to 10 parts by mass of a viny-terminated organopolysiloxane (D), and

0 to 400 parts by mass of a mineral oil softener (E1)

and not containing a hydrosilylation catalyst.

5. A thermoplastic elastomer composition according to

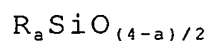
Claim 4, wherein at least the extended rubber (X) and the thermoplastic α -olefin resin (B) are subjected to a dynamic heat treatment under the presence of a crosslinking agent.

5

6. A thermoplastic elastomer composition according to Claim 4 or 5, wherein the ethylene/ α -olefin copolymeric rubber (A1) has a limiting viscosity $[\eta]$ of 3.5 to 6.8 dl/g when it is measured at 135°C in a decalin solvent.

10 7. (Deleted).

8. A thermoplastic elastomer composition according to any one of Claims 1 to 7, wherein the viny-terminated organopolysiloxane (D) is an organopolysiloxane having
15 a polymerization degree of 500 to 10,000 and represented by the following average composition formula (1):



20 where R represents a substituted or unsubstituted mono-valent organic group, 0.02 to 10 mol% of R is a vinyl group, and a is a number within the range from 1.900 to 2.004.

25 9. A molded article produced by subjecting a thermoplastic elastomer composition according to any one of Claims 1 to 8 to injection molding.

10. A weather strip produced by subjecting a thermoplastic elastomer composition according to any one of Claims 1 to 8 to injection molding.